INDEX TO GRADUATE THESES ON CALIFORNIA GEOLOGY TO DECEMBER 31, 1961

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INDEX TO GRADUATE THESES ON CALIFORNIA GEOLOGY TO DECEMBER 31, 1961*

By CHARLES W. JENNINGS and RUDOLPH G. STRAND

INTRODUCTION

This index is a systematic compilation of references to geologic theses prepared while compiling the Olaf P. Jenkins edition of the Geologic Map of California, scale 1:250,000. For many areas of the state, unpublished doctor's and master's theses are the only source of available geologic information, hence are essential for preparing a new map. The Division of Mines and Geology frequently refers geologists and engineers who are seeking information on specific areas to the valuable information in theses; the object of this bibliography is to indicate the sources of such information to everyone concerned with the geology of California. It is a companion reference to the Division's Special Reports 52 and 52A "Index to Geologic maps of California," which are guides to all published geologic mapping in California through 1960.

In order to make this index as complete and accurate as possible, the library catalogues of all institutions in California granting advanced degrees were searched for appropriate theses. These were cross checked by comparing with all available geology department listings of theses. Bachelor theses were not included. Titles of master's and doctor's theses in fields related to geology were considered, and all that appeared to contain information on California geology were included. Consequently, besides titles in geology and paleontology, this index includes most thesis titles from the departments of geophysics, geochemistry, seismology, mining, and oceanography, as well as selected theses in the fields of petroleum engineering, soils science, geography, physics, biology, and botany. In addition, many theses on California geology from out-of-state schools were included.

These were obtained primarily from "Bibliography of theses in geology" by John and Halka Chronic and the Petroleum Research Corporation, published in 1958, and "Dissertation abstracts" published by University Microfilms, Inc.

Approximately 1,200 thesis titles are listed in this report, of which about 70 are from schools outside the state. The earliest thesis recorded in this index is dated 1892, and the listings continue through 1961. Thus, references to nearly 70 years of student geologic research are included.

In order that subsequent revisions or supplements may be as accurate and complete as possible, the authors earnestly solicit corrections and additions from users of this report.

Explanation of Lists. This index is divided into three parts. Part I lists theses regarding specific areas, which are located on Plate I. The numbering sequence on Plate I starts at the northernmost part of the state and advances sequentially southward from left to right and back again from right to left. The location numbers are in the approximate centers of the thesis areas. In areas where thesis studies overlap or where numbers are very close together, the relative positions of the location numbers on Plate I may not be exact. Where a thesis study treats two or more specific areas, additional location numbers appear on Plate I.

Part II of this index lists theses which are not plotted on Plate I, because the studies were either broad regional studies not well represented by a point location, or topical studies (from California schools only) not related to a particular location. Some of the topical studies include

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information collected from areas outside of the state. The code numbers of these unplotted theses are prefixed by the letter "U" for identification in the author list (Part III). Unplotted theses are grouped in the following major fields of interest:

Geochemistry Geaphysics Seismology Mineralogy Petrology Paleontology Paleobotany Stratigraphy
Petroleum
Sedimentation
Oceanography
Geomorphology
Physiography
Miscellaneous

Part III of this index is an author index, where thesis titles are referred back to the numbered lists in Parts I and II.

Availability of Theses. Nearly all theses listed in this index are available for reference at the main libraries of the universities at which they are on file; under certain conditions, they may be borrowed for short periods on interlibrary loan. Many of the theses are also available from the department library or office to which the thesis was submitted. To facilitate the location of departmental copies of theses written outside a geology department, the appropriate department is indicated in this index.

Photographic or microfilm reproductions of most theses may be purchased from the university library. Microfilm copies of most doctoral dissertations completed in recent years are obtainable from University Microfilms, Inc., 313 N. First Street, Ann Arbor, Michigan.

The addresses of the universities and colleges having copies of theses listed in this index follow:

University of Arizona Tucson, Arizona **Brown University** Providence 12, Rhade Island Bryn Mawr College Bryn Mawr, Pennsylvania California Institute of Technology Pasadena, California University of California Berkeley 4, California University of California at Los Angeles Los Angeles 24, California University of Southern California University Park, Los Angeles 7, California University of Chicago Chicago 37, Illinois Columbia University New York 27, New York Cornell University Ithaca, New York Fresna State College Fresno 4, California Harvard University Cambridge 38, Massachusetts University of Idaho Moscow, Idaho

University of Nevada Reno, Nevada New Mexico Institute of Mining & Technology Campus Station, Socorro, New Mexico Northwestern University Evanston, Illinois Oregon State College Corvallis, Oregon Pennsylvania State University University Park, Pennsylvania Pomona College Claremont, California **Princeton University** Princeton, New Jersey University of Rochester Rochester 3, New York Scripps Institution of Oceanography La Jolla, California Stanford University Stanford, California State University of Iowa Iowa City, Iowa Syracuse University Syracuse 10, New York University of Toronta Toronto 5, Ontario, Canada

University of Illinois Urbana, Illinois The Johns Hopkins University Baltimore 18, Maryland University of Kansas Lawrence, Kansas Louisiana State University Baton Rouge, Louisiana University of Minnesota University of Missouri Columbia, Missouri

University of Utah
Salt Lake City, Utah
University of Washington
Seattle 5, Washington University
Washington 6, D. C.
University of Wisconsin
Madison 6, Wisconsin
Yale University
New Haven, Connecticut

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Evelyn Huston Assistant Director of Libraries California Institute of Technology Pasadena

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Daphne F. Plane Geology Librarian California Institute of Technology Pasadena

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THESES CONCERNING SPECIFIC AREAS PLOTTED ON PLATE I

ABBREVIATIONS

(California Schools)

CIT—California Institute of Technology

UC—University of California

UCLA—University af
Califarnia, Los Angeles

USC—University of Southern California

- 1. Back, William
 Reconnaissance of geology and ground water of Smith River plain, Del Norte County, California. MA, 1955.
- 2. Maxson, John H. Geology of the western Siskiyou Mountains. PhD, 1931.
- 3. Smith, Clay T.
 Geology and ore deposits of the northeast quarter of the Seiad quadrangle, California. MS, 1940.
- 4. Williams, William P. Northwestern Preferred orientation of olivine in the Seiad Creek peridotite, Siskiyou County, California. MS, 1944.
- 5. Masson, Peter H.
 Geology of the Gunsight Peak district, Siskiyou County, California. MA, 1949.
- 6. & 10. Mack, Seymaur Syracuse Geology and ground-water resources of Scott and Shasta Valleys, Siskiyou County, California. PhD, 1957.
- Russell, Richard J.
 Basin range structure and stratigraphy of the Warner Range, northeastern California. PhD, 1926.
- 8. Pawers, Howard A. Harvard
 The geology and petrology of the Modoc Lava-bed quadrangle, California. PhD, 1929.
- 9. Churkin, Michael
 Silurian stratigraphy of part of the Yreka and China Mountain quadrangles, Siskiyou County, California, MA, 1958 (paleo.).
- 10. Mack, Seymaur See: No. 6
- 11. McIntyre, James R.

 Lower Paleozoic faunas of Plowman's Valley, California.
 MA, 1949 (paleo.).
- 12. Brewer, William A., III.

 The geology of a portion of the China Mountain quadrangle, California. MA, 1955.

- 13. Dicksan, B. A.

 A chronosequence of soil and vegetation on recent mud-flow deposits on the lower slopes of Mount Shasta, California. PhD, 1952 (soil science).
- 14. Sanborn, Albert F. Stanford
 Geology and paleontology of a part of the Big Bend quadrangle, Shasta County, California. PhD, 1952.
- 15. Gay, Thomas E., Jr. UC Geology of upper Coffee Creek, Etna quadrangle, California. MA, 1952.
- 16. Davis, Gregary A.

 Metamorphic and igneous geology of pre-Cretaceous rocks,
 Coffee Creek area, northeastern Trinity Alps, Klamath
 Mountains, California. PhD, 1961.
- 17. Manning, George A.

 The geology of the northern half of the Blue Lake quadrangle, Humboldt County, California. MA, 1947.
- 18. Ogle, Burdette A. UC
 The geology of the southern half of the Blue Lake quadrangle, Humboldt County, California. MA, 1947.
- Cox, Dennis P. Stanfard Geology of the Helena quadrangle, Trinity County, California. PhD, 1956.
- 20 & 30. MacGinitie, Harry D. UC See: No. 30.
- 21. Coagan, Alan H.

 The stratigraphy and paleontology of the Nosoni and Dekkas Formations (Permian), Shasta County, California. MA, 1957 (paleo.).
- 22 & 29. Seager, Gearge F. Yale See: No. 29.
- 23. Sinclair, William J.

 1. The exploration of the Potter Creek Cave.
 2. New mammalia from the Quaternary caves of California. PhD, 1904 (paleo.).
- **24.** Boyle, Albert C. Columbia Geology and ore deposits of Bully Hill mining district, California. PhD, 1914.
- **25.** Bayle, Albert C. Calumbia The geology in the vicinity of Winthrop, Shasta County, California. MA, 1910.
- **26.** Albers, John P. Stanfard Geology and ore deposits of the East Shasta copper-zinc district, Shasta County, California. PhD, 1957.
- 27. Wheeler, Harry E. Stanfard Stratigraphy and paleontology of the McCloud Limestone of northern California. AM, 1932.
- 28. Wheeler, Harry E. Stanford
 The fauna and correlation of the McCloud Limestone of northern California. PhD, 1934.
- 29. Seager, George F.

 Geology and ore deposits of the Iron Mountain and Little Backbone districts, Shasta County, California. PhD, 1936.
- 30. MacGinitie, Harry D. UC The flora of the Weaverville beds, Trinity County, California. PhD, 1936.

- 31. Ogle, Burdette A.

 Geology of the Eel River Valley area, Humboldt County, California. PhD, 1951.
- 32 & 33. Stewort, Roscoe E. & Stewort, Kotherine C.

 Local relationships of the Mollusca of the Wildcat coast section, Humboldt County, California. MS and MA, 1935.
- 34. Girord, Lewis V.

 Geological engineering study of a proposed tunnel through South Fork Mountain, Trinity County, California. MS, 1959.
- 35. Hollister, Victor F. Geology and ore deposits of the Shasta gold district. MA, 1950 (mining).
- 36. Church, H. Victor CIT The structure and stratigraphy of the Upper Cretaceous near Redding, California. MS, 1937
- **360.** Russell, Richord D.

 The Tehama Formation of northern California. PhD, 1932.
- Trujillo, Ernest F.
 Upper Cretaceous Foraminifera from near Redding, Shasta County, California. MS, 1958.
- Witherspoon, Alon J.
 Optical mineralogy of the rocks of Lassen Volcanic National Park. MA, 1955.
- 39. Roddo, Peter U. Geology and paleontology of a portion of Shasta County, California. PhD, 1959.
- Murphy, Michael A.
 Paleontology and stratigraphy of the Horsetown Stage of northern California. PhD, 1954.
- 41. Wilson, Thomas A.

 The geology near Mineral, California. MS, 1961.
- 42. Anderson, Chorles A. The geology and ore deposits of the Engels and Superior mines, Plumas County, California. PhD, 1928.
- 43. Donnoy, Joseph D. H. Stonford The Engels copper deposit, Plumas County, California. PhD, 1929.
- 44. McMoth, Vernon E.

 The geology of the Taylorsville area, Plumas County, California. PhD, 1958.
- **45. Ewing, Sydney C.**Geology and ore-deposits of the Mount Ingalls district, Plumas County, California. AM, 1927.
- 46. Spitznos, Roger L. Missouri A study of pothole erosion along Little Kinshew Creek, Butte County, California. MA, 1950.
- 47. Soul, Louello R. Senonian mollusks from Chico Creek. MA, 1959.
- 48. Young, Gerold C. A study of the physical stratigraphy in the northeast portion of the Paskenta quadrangle, Tehama County, California. MA, 1958.
- Harrington, Williom C.
 Geology of the Paskenta district, Tehama County, California.
 MA, 1942.
- 50. Raymond, Martin S.
 The physical stratigraphy of the upper Mesozoic sediments of a portion of Glenn and Tehama Counties, California. MA, 1958
- **51. Studley, Clorence K.**The Chico fauna of the type locality. MS, 1913 (paleo.).
- **52.** Cook, Rufus E. Stonford
 The Upper Cretaceous Chico Formation at the type locality (California). MS, 1949.
- 53. Gordner, William I. Minnesota Structural study of the Merrimac Batholith, Sierra Nevada, California. PhD, 1935.
- 54. Wilhelms, Don E.

 The geology of the eastern portion of the Spring Garden quadrangle, Plumas County, California. MA, 1958.
- 55. Fitzgerold, Jennifer K. Gabbro pegmatites of Eureka Peak, Plumas County, California, MA, 1958.

- 56. Gilmore, Suson P.
 The La Porte flora of Plumas County, California. MA, 1935 (paleo.).
- 57. Creely, Robert S. UC Geology of the Oroville quadrangle, California. PhD, 1955.
- **S8. Chuber, Stewort**Late Mesozoic stratigraphy of the Elk Creek-Fruto area, Glenn County, California. PhD, 1961.
- 59. Dondonville, Richord F.
 The geology of part of northwestern Glenn County, California. MS, 1958.
- 60. Compton, Robert R. Stonford
 Petrology of the southwestern part of the Bidwell Bar (30')
 quadrangle, California. PhD, 1949.
- 61. Goodwin, Joseph G. The geology of the southern half of the Strawberry Valley quadrangle, California. MA, 1952.
- **62.** Cooke, Herman R., Jr.

 The distribution of gold in the original Sixteen to One vein, Alleghany, California. PhD, 1945.
- 63. Fuller, Willord P., Jr. Spectrographic study of gold-quartz ores from Allegheny, California. MS, 1942.
- 64. Doley, A. Cowles & Poole, Dovid M. A geologic section in east-central California, eastward from Donner Pass. MA, 1949.
- 65. Lemmon, Dwight M.
 Geology of the Hoge mine, Nevada City, California. AM,
 1935.
- 66. Stipp, Thomos F. Stonford The Eocene Foraminifera of the Marysville Buttes, Sutter County, California, AM, 1926.
- 67. Owens, John S. The geology of parts of Colusa and Lake Counties, California. MA, 1941.
- 68. Schlocker, Julius Geology of the Wilbur Springs district, California, MA, 1941.
- 69. Chondro, Deb K. Geology of the Colfax and Foresthill quadrangles, California. PhD, 1954.
- 70. Stewort, Lloyd L. A chemical analysis of axinite found near Five Lake, Placer County. MA, 1916.
- 71. Fisher, Groce M.
 Geology of Lake Tahoe and Glen Alpine. MA, 1892.
- McAllister, Jomes F. Stonford Glacial history of an area near Lake Tahoe. AM, 1936.
- 73. Peikert, Ernest W.

 The Mt. Tallac roof pendent, Sierra Nevada, southwest of Lake Tahoe. MA, 1958.
- 74. Loomis, Alden A. Petrology of the Fallen Leaf Lake area, California. PhD, 1960.
- 75. Stock, Chester
 The Pleistocene fauna of Hawver cave. PhD, 1917 (paleo.).
- 76. Crutcher, John F. UC The geologic setting of the Pillikin chromite mine, El Dorado County, California. MS, 1959.
- 76a. Olmsted, Fronklin H.

 Geology of the pre-Cretaceous rocks of the Pilot Hill and Rocklin quadrangles. PhD, 1961.
- 77. Rofé, Rofael
 Subsurface geology of the Dunnigan Hills gas field, Yolo County, California. MS, 1960.
- 78. Toylor, Robert K. UC Geology of the central portion of the Rumsey quadrangle, California. MA, 1955.
- 79. Lowton, John E. Stonford Geology of the north half of the Morgan Valley quadrangle and the south half of the Wilbur Springs quadrangle. PhD, 1956.
- 80. Brice, Jomes C.
 Geology of a portion of the Lower Lake quadrangle, California. MA, 1948.

- 81. Brice, James C.
 Geology of the Lower Lake quadrangle, California. PhD, 1950.
- 82. McNitt, James R. UC Geology and mineral deposits of the Kelseyville S. E. quadrangle, Sonoma County, California. PhD, 1961.
- 83. Borglin, Edgar K. The geology of a part of the Morgan Valley quadrangle. MS, 1949.
- 84. Carter, William H. UC Geology of the northeast corner of the Calistoga quadrangle. MA, 1948.
- 85. Conrey, Bert L., Jr. UC Geology of a southern portion of the Morgan Valley quadrangle, California. MA, 1948.
- 86. Bentson, Herdis

 The stratigraphy and faunas of the Capay Eocene of the Sacramento Valley. PhD, 1941.
- **87. Gealey, William K.**Geology of the Healdsburg quadrangle, Sonoma County, California. PhD, 1949.
- 88. Bauer, Francis H.

 Marine terraces between Salmon Creek and Stewarts Point,
 Sonoma County, California. MA, 1952 (geography).
- 89. Watson, Samuel E., Jr.

 The geology of a part of the Healdsburg quadrangle, Sonoma County, northern Coast Ranges, Californa. MS, 1941.
- 90. Borg, Iris P. UC Studies in metamorphism: I. Planar structure within calcite of artificially deformed Yule marble. II. Glaucophane and related schists near Healdsburg, California. PhD, 1954.
- 91. Hurlbut, Elvin M., Jr.
 Geology of a portion of the Calistoga quadrangle. MA, 1948.
- 92. Crutchfield, William H., Jr. UC The geology and silver mineralization of the Calistoga district, Napa County, California. MA, 1953.
- 93. Johnston, Stedwell UC The geology of a portion of the Calistoga quadrangle. MA, 1948.
- 94. Angel, Loren H. Geology of a portion of the St. Helena quadrangle, California. MA, 1948.
- 95. Enders, Dean W. A study of the Cretaceous and Upper Jurassic of the Monticello-Pope Valley region, Napa County, California. MA, 1940.
- 96. Boyd, Hurold A. Geology of the Capay quadrangle, California. PhD, 1956.
- Shouldice, James R. UC Geology of a part of St. Helena quadrangle. MS, 1947.
- 98. Clark, Arthur W.

 Geology of a portion of the St. Helena quadrangle, California. MA, 1948.
- 99. Goss, Charles R. Geology of the southwest corner of the Calistoga quadrangle. MA, 1948.
- 100. Higgins, Charles G., Jr.
 The lower Russian River, California. PhD, 1950.
- 101. Johnson, Francis A. Geology of the Merced Pliocene Formation north of San Francisco Bay, California. PhD, 1934.
- 102. Travis, Russell B. UC The geology of the Sebastopol quadrangle, California. PhD, 1951.
- 103. Day, David W., Jr.

 The geology of a part of the Mount Vaca quadrangle. MA, 1951.
- 104. Kemper, Dorothy B.

 A fauna from the middle Eocene shales near Vacaville, California. MA, 1923.
- 105. Berthiaume, Sheridan A. Cornell Stratigraphy and foraminiferal fauna of the Meganos and Vacaville Formations (Eocene) of California. PhD, 1938.

I. SPECIFIC AREAS 31 to 127

- 106. Dusenberry, Arthur N.

 The Foraminifera from G. D. Hanna's type locality in the Eocene near Vacaville, California. MA, 1933.
- 107. Boyd, Harold A. UC Eocene Foraminifera from the "Vacaville Shale". MA, 1949 (paleo.).
- 108. Lambert, Earl F.

 The geology of the Old Eureka mine, Sutter Creek, California. MA, 1949.
- 109. Parker, Ronald B. UC Petrology and structure of pre-Tertiary rocks in western Alpine County, California. PhD, 1959.
- 110. Curtis, Garniss H. UC
 The geology of the Topaz Lake quadrangle and the eastern half of the Ebbetts Pass quadrangle. PhD, 1951.
- 111. Wilshire, Howard G.

 The history of Tertiary volcanism near Ebbetts Pass, Alpine County, California. PhD, 1956.
- 112. Gilbert, Frances L.

 Metamorphism in the Lake Alpine area, Alpine County, California. MA, 1959.
- 113. Bates, Thomas F. Columbia
 Origin of the Edwin clay, Ione, California. PhD, 1944.
- 114. Allen, Victor T.
 The Ione Formation of California. PhD, 1928.
- 115. Turner, Mortimer D.

 The Ione Formation of the Buena Vista area, Amador County, California. MS, 1954.
- 116. Weaver, Charles E.
 Geology of the Napa quadrangle, California. PhD, 1907.
- 117. Muson, Herbert L.

 A Pleistocene flora from the Tomales Bay region and its bearing on the history of the coastal pine forests of California. PhD, 1932.
- 118. Thornburgh, Hubert R. UC Geology and ore deposits of the St. John's quicksilver mine, Solano County, California. MS, 1923.
- 119. Wilcox, Glenn A.

 The terraces of the upper San Francisco Bay region, with an appendix on the geology of the Suisun-Potrero Hills. MS, 1911.
- 120. Rose, Robert L. UC Tertiary volcanic domes of the Jackson quadrangle, California, MA, 1949.
- 121. Slemmons, David B.
 Geology of the Sonora Pass region. PhD, 1953.
- 122. Johnson, Robert F. UC Geology of the Masonic mining district, Mono County, California. MA, 1951.
- 123. Halsey, Jonathan H. Geology of parts of the Bridgeport, California, and Wellington, Nevada quadrangles. PhD, 1953.
- 124. Dunn, James R. Geology of the western Mono Lake area. PhD, 1951.
- 125. Baird, Alexander K. UC Superposed deformations in the central Sierra Nevada foothills, east of the Mother Lode, PhD, 1960.
- 126. Moss, Frank A. UC Geology of the Mother Lode in the vicinity of Carson Hill, California. MA, 1924.
- 127. Moss, Frank A.

 The geology of the Mother Lode in the vicinity of Carson Hill, Calaveras County, California. PhD, 1927.

- 128. McCall, Mary A.

 Lower Tertiary subsurface foraminiferal sequence of McDonald Island, California. MA, 1961 (paleo.).
- 129. Fulmer, Charles V.

 Stratigraphy and paleontology of the typical Markley and Nortonville Formations. PhD, 1956 (paleo.).
- 130 & 1300. Cebull, Stonley E.

 The structure and stratigraphy of portions of the Mare Island, Sears Point, and Richmond quadrangles, California. MA, 1958.
- 131. Anderson, Fronk M.

 The geology of Point Reyes Peninsula (California). MS, 1897.
- 132. Sheehan, Jock R.

 Structure and stratigraphy of northwestern Contra Costa County, California. MS, 1956.
- 133. Smith, Bernice Young

 Lower Tertiary Foraminifera from Contra Costa County,
 California. MA, 1951 (paleo.).
- 134. Vitt, Alfred W.
 The Pinole Tuff east of San Francisco Bay. MA, 1936.
- 135. Lutz, George C. UC
 The Sobrante Sandstone and its fauna. MA, 1950 (paleo.).
- 136. Schmidt, Otto M. Stonford The San Ramon Sandstone in the Pacheco syncline, California. MS, 1958.
- 137. Howord, Hildegorde
 The avifauna of Emeryville shellmound. PhD, 1928.
- 138. Poloche, Chorles The geology of the Grizzly Peak volcanic series. PhD, 1894.
- 139. Peose, Mourice H., Jr.

 Geology of the Sobrante anticline and vicinity. MA, 1954.
- 140. Grohom, John J.

 The Foraminifera of the type Meganos, (Eocene) Formation of California. PhD, 1947 (paleo.).
- 141. Kvenvolden, Keith A. Stonford Normal paraffin hydrocarbons in recent sediments from San Francisco Bay, California. PhD, 1961.
- 142. Untermonn, Billie R.

 A study of the Wildcat fault in the Berkeley Hills. MA, 1935.
- 143. Doell, Edword C.

 Correlation of the Campus and Orinda Formations in the Berkeley Hills, California. MS, 1934.
- 144. Rossello, Pierino O. B.

 An Eocene foraminiferal faunule from Contra Costa County, California. MA, 1939 (paleo.).
- 145. Doumoni, George I.

 Stratigraphy of the San Pablo Group, Contra Costa County, California. MA, 1957 (paleo.).
- 146. Polond, Joseph F. Stonford Ground-water conditions in Ygnacio Valley, California. AM, 1935.
- 147. Patten, Philip R. UC The San Pablo Formation north of Mt. Diablo, California. MA, 1948.
- 148 & 157. Mondra, York T.

 Eocene silicoflagellates from the Mt. Diablo area, California.
 MA, 1949 (paleo.).
- 149 & 158. Konaya, Toro

 Eocene diatom assemblages from the Kellogg and Sidney Shales, Mt. Diablo area, California. MS, 1956.
- 150. Fulmer, Chorles V.

 Sedimentary petrography of the Eocene Series on the north side of Mount Diablo, California. MS, 1947.
- 181. Young, Rex J. UC
 Petrology of the Siesta Formation, Berkeley Hills, California.
 MA, 1961.
- 152. Arden, Doniel D., Jr.

 Sediments from borings along the east side of San Francisco Bay. PhD, 1961 (paleo.).

- 153. Richey, King A.

 The marine invertebrate fauna of the Orinda Formation, and its stratigraphic relation to the *Nannippus tehonensis* zone. MA, 1939 (paleo.).
- 154. Knox, Newton B.

 The geology of the Mt. Diablo mine. MA, 1938.
- 188. Colburn, Ivon P.

 The tectonic history of Mt. Diablo, California. PhD, 1961.
- 156. Kilmer, Fronk H.
 Stratigraphy of the "Diablo formation". MA, 1953 (paleo.).
- 157. Mondro, York T.
 See: No. 148

 158. Konovo, Toro
- 158. Konoyo, Toro See: No. 149
- 159. Swinney, C. Melvin

 The geology and petrology of the Sonora quadrangle, California. PhD, 1949.
- 160. Solori, Allison J. The Tertiary formations of the Copperopolis quadrangle. MA, 1937.
- 161. Snow, David T.
 The geology of the northeast corner of Alameda County and adjacent portions of Contra Costa County, California. MA, 1957.
- 162. Oestereich, Ernest S.
 Geology of Tassajara quadrangle, California. MS, 1958.
- 163. Wolsh, Thomos F.

 The proboscideans of the Black Hawk Ranch fauna, Mount Diablo, California. MA, 1959 (paleo.).
- 164. MocDonold, Jomes R.

 The Pliocene carnivores of the Black Hawk Ranch fauna.

 MA, 1947 (paleo.).
- **165.** Hom, Cornelius K.

 The geology of a portion of the Las Trampas Ridge quadrangle, California. MA, 1951.
- 166. Mulryon, Henry
 Geology and ores of the Leona Heights pyrite deposit, Oakland, California. AM, 1925.
- 167. Crondoll, Roderic Stonford
 The geology of the San Francisco Peninsula. AM, 1907.
- 168. Boiley, Thomas L.

 The petrography and origin of the recent sediments along the east side of the San Francisco Peninsula. MA, 1921.
- 169. Aorons, Bernord L.

 Geology of a portion of the Las Trampas Ridge and Hayward quadrangles, California. MS, 1958.
- 170. Newton, Rolph J. UC The geology northwest of Dublin, California, in the vicinity of Divide Ridge. MA, 1948.
- 171. Smith, Merritt B.

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 The Pleistocene history of the Newport Bay area, southern California. MA, 1940 (paleo.).

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- 852. Duggan, Michael D.
 Geology of a part of the San Joaquin Hills, Orange County, California. MA, 1961.
- 853. Stevenson, Robert E.

 The marshlands at Newport Bay, California. PhD, 1954.
- 854. Findlay, Willard A.
 Geology of a part of the San Joaquin Hills. MS, 1932.
- 855. Bade, Francis D. CIT
 The structural geology of the San Joaquin Hills, Orange County, California. PhD minor, 1934.
- 856. Clark, George H. Pomona
 The geology of the eastern flank of the San Joaquin Hills.
 MA, 1952.
- 857. Corby, Grant W. Stanfard
 The geology and paleontology of the San Joaquin and Miguel Hills, Orange County, California. AM, 1922.
- 858. Sullwald, Harald H.

 Geology of a portion of the San Joaquin Hills, Orange County, California. MA, 1940.
- 859. Fernandez, Alfred P.

 Geology of a portion of the Capistrano basin, California.
 MA, 1959.
- 860. Outes, Nevitt D. USC Geology of the western portion of the Cañada Gobernadora quadrangle, Orange County, California. MA, 1960.
- 861. Roth, Jim C. UCLA Geology of a portion of the southern Santa Ana Mountains, Orange County, California. MA, 1958.
- 862. Levet, Melvin N. CIT Geology of the San Juan Canyon area, Orange County, California. MS, 1940.
- 863. White, William R.

 Miocene and Pliocene Foraminifera from the vicinity of San Juan Capistrano, California. MA, 1953.
- 864. Ball, Alexander R.

 Geology of the northern and western parts of the San Clemente quadrangle, Orange County, California. MS, 1961.
- 865. Sauthwick, Thamas S.

 Geology of a portion of the Santa Ana Mountains, California, MS, 1929.
- 866. Stevenson, Robert E.

 The Cretaceous stratigraphy of the southern Santa Ana Mountains, California. MA, 1948.
- 867. Woodford, Alfred O.

 The San Onofre breccia and conglomerate: a southern California coastal facies of the Temblor Miocene. PhD, 1923.
- **868.** Killen, Jahn L.

 Geology of a portion of the San Clemente quadrangle, California. MA, 1961.
- 869. Hurlbut, Carnelius S., Jr.

 The structure and inclusions of the Bonsall Tonalite near Fallbrook, California. PhD. 1933.
- 869a & 873a. Dannelly, Maurice CIT

 The lithia pegmatites of Pala and Mesa Grande, San Diego County, California. PhD major, 1935.
- 870. Miller, Franklin S. Harvard
 The petrology of the San Marcos Mountains Gabbro, San
 Luis Rey quadrangle in California. PhD, 1934.
- 871. Janes, Benjamin F.
 Geology of the San Luis Rey quadrangle. MS, 1959.
- 872. Phillips, Irvine L.

 A study of the geology and soils of the Oceanside quadrangle. MA, 1940.

- 873. Howes, Thomas B.

 A brief study of the geology and ground water conditions in the Pauma Valley area, San Diego County, California. MS, 1955.
- 873a. Donnelly, Maurice See: No. 869a.
- 874. Osterholt, William R. B.

 The origin of the main physiographical features of Borego Valley, California. MS, 1934.
- 875. Eckis, Rollin P.
 Geology of a portion of the Indio quadrangle. MS, 1930.
- 876. Arnal, Robert E.

 Limnology, sedimentation, and microorganisms of the Salton Sea, California. PhD, 1957.
- 877. Soske, Joshua L.

 Theory of magnetic methods of applied geophysics with an application to the San Andreas fault. PhD, 1935.
- 878. Sandberg, Edward C.

 The gold quartz veins of the Julian district, California. MS, 1929.
- 879. Donnelly, Maurice
 Preliminary report on the geology of the Julian region, California. MS, 1933.
- 880. Simpson, Dule R.
 Geology of the Ramona pegmatites, San Diego County, California. PhD, 1960.
- 881. Merriam, Richard H.

 Geology of the southwestern part of the Ramona quadrangle,
 San Diego County, California. PhD, 1941.
- 882. Lance, John F.

 The origin of the Pioneer pyrophyllite deposit, San Diego County, California. PhD minor, 1949.
- 883. Wimberley, C. Stanley

 Marine sediments north of Scripps submarine canyon, La
 Jolla. MA, 1954.
- 884. Hanna, Marcus A.

 An Eocene invertebrate fauna from the La Jolla quadrangle, California. PhD, 1926.
- 88S. Hudson, Frank S.
 Geology of the Cuyamaca region of California. PhD, 1920.
- 886. Donnelly, Maurice CIT
 Geology and mineral deposits of the Julian district, San
 Diego County, California. PhD minor, 1935.
- 887. Buttram, Glen N.

 The geology of the northeast corner of the Cuyapaipe quadrangle, California. Master thesis, 1961.

- 888. Kew, William S. W.

 Tertiary echinoids of the Carrizo Creek region in the Colorado Desert. MS, 1914 (paleo.).
- 889. Everhart, Donald L.

 Geology of the Cuyamaca Peak quadrangle, San Diego County, California. PhD, 1953.
- 890. Crandall, Hector
 The geology of the La Jolla quadrangle, San Diego County, California. AM, 1916.
- 891. Chamberlain, Theodore K.

 Mechanics of mass sediment transport in Scripps submarine canyon, California. PhD, 1960.
- 892. Inmun, Douglos L.

 Areal and seasonal variations in beach and nearshore sediments at La Jolla, California. PhD, 1953.
- 893. Hand, Bryce M.

 Turbidite deposits of the San Diego Trough. MS, 1961.
- 894. Ludwick, John C. UCLA-Scripps
 Deep water sand layers off San Diego, California. PhD, 1950.
- 895. Hulsemann, Johnston E.
 Submarine geology of Cortes and Tanner Banks. MS, 1951.
- 896. Butcher, William S.

 Part I. Lithology of the offshore San Diego area. Part II.

 Foraminifera, Coronado Bank, California. PhD, 1951.
- 897. Anderson, Richard E.

 Geology and micropaleontology of Point Loma, San Diego County, California. MA, 1961.
- 898. Webb, Robert W.
 Paleontology of the Pleistocene of Point Loma, San Diego County, California. PhD, 1937.
- 899. Goldstein, Gilbert

 The geology of the Sweitzer Formation of San Diego, California. MA, 1956.
- 900. Hertlein, Leo G. Stanford The geology and paleontology of the Pliocene of San Diego, California. PhD, 1929.
- 901. Ferguson, Glenn C.

 A correlation of beds in and around San Diego with certain beds in the Los Angeles Basin, California. MS, 1933.
- 902. Foote, Royal S.

 The geology of the Houser Canyon pegmatite with an X-Ray analysis of monazite. MS, 1951.
- 903. Christensen, Andrew D.
 Part of the geology of the Coyote Mountain area, Imperial County, California. MA, 1957.
- 904. Henshaw, Paul C.
 Geology and mineral deposits of the Cargo Muchacho Mountains, Imperial County, California. PhD minor, 1940.

PART II

THESES NOT PLOTTED ON PLATE I

REGIONAL STUDIES

GEOCHEMISTRY

- U-1. Burham, C. Wayne CIT Metallogenic provinces of the southwestern United States and northern Mexico. PhD, 1955.
- U-2. Eisenhardt, William C. Physical ages of some Franciscan schists as determined by potassium-argon methods. MA, 1958.

GEOPHYSICS, SEISMOLOGY

- U-3. Bayaumi, Imam A.
 Gravity and magnetic study in the San Joaquin Valley.
 PhD, 1961.
- U-4. Bowers, Rabert A.
 Gravity in northern California. PhD, 1958 (geophysics).
- U-S. Byerly, Perry E.

 Regional gravity in the central Coast Ranges and San Joaquin Valley, California. PhD, 1954.
- U-6. Cameron, Jahn B.
 Earthquakes in northern California coastal region. PhD, 1959 (geophysics).
- U-7. Carder, Dean S. A comparative study of the seismic surface waves and the crustal structure of the Pacific region. PhD, 1934.
- U-8. Dehlinger, Peter
 Shear wave vibrational directions and related fault movements in southern California earthquakes. PhD major, 1950.
- U-9. Grobecker, Alan J. Travel time curves at small distances and wave velocities of principal phases in the southern California ranges. MS, 1941.
- U-10. Healy, Jahn H.

 Geophysical studies of the basin structures along the eastern front of the Sierra Nevada. PhD, 1961.
- U-11. Petersan, Raymand A. Results of gravity measurements in southern California. PhD, 1935.
- U-12. Quigley, Milner D.

 A restudy of existing graphical methods of interpreting magnetic data and their application to interpreting the results of magnetic surveys across the Los Angeles Basin. GE, 1950.
- U-13. Sanfard, Allan R.
 1. An analytical and experimental study of some simple geologic structures.
 2. Gravity survey of a part of the Raymond and San Gabriel basins, southern California. PhD, 1958.
- U-14. Scherb, Ivan V. An investigation of the Mill Creek earthquake of October, 1935. MS, 1936.
- U-15. Shar, Gearge G., Jr.

 Crustal structure and reflections from the Mohorovicic discontinuity in southern California, PhD, 1954.
- U-16. Taylar, Samuel G., Jr. Stanfard Gravity investigation of the southern San Francisco Bay area, California. PhD, 1956.
- U-17. Tacher, Dan Seismic velocities and structure in northern California and Nevada. PhD, 1955.

ABBREVIATIONS

(California Schools)

- CIT—Califarnia Institute of Technology
- UC-University of California
- UCLA—University af
 California, Los Angeles
- USC—University of
 Southern California

II. REGIONAL STUDIES U-1 to U-32

- U-18. Walters, Charles P. Carnell Energy of the earth's rotation applied to the deformation of southern California. PhD, 1957.
- U-19. Withstandley, V. D. W., III

 Short-period microseisms in northern California. MA, 1952 (geophysics).

MINERALOGY, PETROLOGY

- U-20. Azman, Emanuel
 Heavy minerals in sediments of southern California. PhD, 1960.
- U-21. Babenrath, Donald L.

 Axinite from the Mother Lode, California. MA, 1938.
- U-22. Beveridge, Alexander J. Stanfard Heavy minerals in lower Tertiary formations in the Santa Cruz Mountains, California. PhD, 1958.
- U-23. Cagen, William M.

 A study of the heavy minerals of the Modelo Formation in the eastern portion of the Santa Monica Mountains. MS, 1933.
- U-24. Davis, Elmer F. UC Rocks of the Franciscan Group. 1. The sandstone. 2. The radiolarian cherts. PhD, 1917.
- U-25. Davis, Elmer F. A study of the cherts and associated shales of the Franciscan Formation. MS, 1912.
- U-26. Dietz, Rabert S. Illinois Phosphorite deposits on the seafloor off California. MS, 1939.
- U-27. Foshag, William F. The origin of the colemanite deposits of the western United States. PhD, 1924.
- U-28. Kankaff, Vladimir I. Calumbia The genesis and geologic relations of gold ores in California. MA, 1930.
- U-29. Kramm, Hugo E. Stanfard Serpentines of the central Coast Ranges of California. AM. 1909.
- U-30. Lauderback, Gearge D.
 On the origin of the glaucophane and associated schists of the Coast Ranges. A contribution to the theory of the crystalline schists. PhD, 1899.
- U-31. Pabst, Adolph Observations on inclusions in the granitic rocks of the Sierra Nevada. PhD, 1928.
- U-32. Pawers, Delmar L. Stanfard
 The pre-Tertiary cherts of the Pacific Ocean border. AM, 1924.

- U-33. Pray, Lloyd C. CIT Studies of certain Sierran concrete aggregates. MS, 1943.
- U-34. Shawe, Daniel R.

 Heavy detrital minerals in stream sands of the eastern Sierra Nevada, between Leevining and Independence, California. PhD, 1953.
- U-35. Smith, Clay T.

 The origin of some chromite deposits in the Pacific Coast region. PhD major, 1943.
- U-36. Smith, Hampton Origin of some of the siliceous Miocene rocks of California. PhD, 1934.
- U-37. Spatts, Jahn H. Stanford Heavy minerals of some granitic rocks of central California. PhD, 1958.
- U-38. Switzer, Gearge
 Glaucophane schists of the central California Coast Ranges.
 PhD, 1942.
- U-39. Taliaferra, Nicholas L. The manganese deposits of the Sierra Nevada of California. PhD, 1920.
- U-40. Walker, Gearge W.

 A study of the sedimentary petrography of the Sierra
 Blanca Limestone and associate rocks, Santa Barbara
 County, California. MS, 1948.
- U-41. Woadcack, Edgar
 Some new occurrences of minerals in California. MA, 1918.

PALEONTOLOGY, PALEOBOTANY, STRATIGRAPHY

- U-42. Andersan, Frank M. Stanfard
 Lower Cretaceous deposits in California and Oregon. PhD,
 1930
- U-43. Ashley, Gearge H. Stanfard Neocene of the Santa Cruz Mountains. PhD, 1894.
- U-44. Carson, Carlton M. Stanfard The paleontology and stratigraphy of the marine Pliocene of southern California. AM, 1924.
- U-45. Clark, Bruce L. Fauna of the San Pablo Group of middle California. PhD, 1924 (paleo.).
- U-46. Clark, Sam G. UC The Milton Formation of the Sierra Nevada of California. PhD, 1931.
- U-47. Condit, Carlton
 Late Tertiary floras of central California. PhD, 1940.
- U-48. Caaper, William C.
 Intertidal Foraminifera of the California and Oregon coast.
 MA, 1961.
- U-49. Crauch, Rabert W.
 Pliocene Ostracoda from southern California. MS, 1948.
- U-SO. Crouch, Smith A. USC A study of selected megafaunas of the Santa Monica Mountains. MA, 1930.
- U-S1. Dickersan, Ray E.

 Fauna of the Martinez Eocene of California. PhD, 1914 (paleo.).
- U-S2. Dadd, James R.

 Paleoecological implications of the mineralogy, structure, and strontium and magnesium contents of shells of the west coast species of the genus *Mytilus*. PhD, 1961.
- U-S3. Darf, Erling
 Pliocene floras of California. PhD, 1930.
- U-S4. Dauglass, Raymand C. The foraminiferal genus Orbitolina in North America. PhD, 1957.
- U-55. Druckerman, Daniel
 The genus Pecten in the New World, MA, 1961 (paleo.).
- U-S6. Durham, Jahn W. Epitoniidae of the Mesozoic and Tertiary of the west coast of North America. MA, 1936 (palco.).
- U-S7. Emerson, William K.

 A review of the eastern Pacific scaphopod mollusks. PhD, 1956 (paleo.).

- U-58. Evans, David L. W.

 A new Tertiary horizon in Ventura County, California.

 AM, 1928.
- U-S9. Giffard, Charles D. Stanfard
 Foraminifera from the Monterey Formation of California.
 AM, 1924.
- U-60. Giles, Eugene Multivariate analysis of Pleistocene and Recent coyotes in California. MA, 1956 (paleo.).
- U-61. Grant, Ulysses S., IV and Hayt R. Gale
 Catalogue of the marine Pliocene and Pleistocene Mollusca
 of California and adjacent regions, with notes on their
 morphology, classification, and nomenclature and a special
 treatment of the Pectinidae and the Turridae (including a
 few Miocene and Recent species). PhD, 1929.
- **U-62. Harbaugh, Jahn W. Wisconsin** Stratigraphy and paleontology of portions of the Klamath Mountains, California. PhD, 1955.
- U-63. Harman, Rabert A.

 Distribution of Foraminifera within the Santa Barbara basin, California. MA, 1961.
- U-64. Hertlein, Lea G. Stanfard A revision of the Tertiary and Quaternary pectens of the Pacific Coast. AM, 1923.
- U-6S. Hessler, Rabert R. Chicaga The Lower Mississippian proetid trilobites of North America. PhD, 1959.
- U-66. Hoskins, Cartez W.

 Paleoccology and correlation of the lowest emergent California marine terrace, from San Clemente to Halfmoon Bay. PhD, 1957.
- U-67. Ingle, James C.
 Marine facies variation in the late Tertiary of southern California. MA, 1961.
- U-68. Jenkins, Olaf P. Stanfard
 A study of the Kreyenhagen Shale of California; stratigraphy, character, mode of formation, structure, extent,
 probable age, and economic aspects. PhD, 1930.
- U-69. Kew, William S. W. Cretaccous and Cenozoic Echinoidea of the Pacific Coast of North America. PhD, 1917 (paleo.).
- U-70. Kirk, Mahlan V.

 The Cretaceous-Tertiary boundary in California. MA, 1950 (paleo.).
- U-71. Kirkpatrick, Jahn C.
 A study of some marine middle Eocene formations in Southern California. MA, 1958.
- U-72. Kleinpell, Robert M. Stanford Miocene Foraminifera from the Salinas Valley, California. AM, 1928.
- U-73. Klucking, Edward P.

 The fossil Betulaceae of western North America. MA, 1959 (paleo.).
- U-74. Loel, Wayne F.

 The Vaqueros fauna of the lower Miocene. AM, 1917.
- U-75. Lahman, Kenneth E.

 Cenozoic nonmarine diatoms from the Great Basin. PhD, 1957.
- Age and distribution of lower Tertiary Foraminifera in the California Coast Ranges. PhD, 1952 (paleo.).
- U-77. Mandra, Yark T.

 Fossil silicoflagellates from California. PhD, 1958.
- U-78. Marianas, Andrew
 Some Cretaceous ostracodes encountered in a well section from the Sacramento Valley of California. MS, 1956.
- U-79. Martin, Bruce
 Pliocene of middle California. MS, 1913 (paleo.).
- U-80. Martin, Lewis
 Some Pliocene Foraminifera from a portion of the Los
 Angeles basin, California. MS, 1951.

- U-81. McClellon, H. W. Evolution in some Pliocene Foraminifera of southern California. MS, 1926.
- U-82. Merriom, Chorles W. Fossil turritellas from the Pacific Coast region, North America. PhD, 1933.
- U-82a. Miller, Loye H.

 Contributions to the avian paleontology from the Pacific Coast of North America. PhD, 1912 (paleo.).
- U-83. Moore, Bernord N.

 Cretaceous paleontology of the Santa Ana Mountains. PhD, 1930.
- U-84. Norosimhon, Tyogorojon Stonford Eocene discoasters and coccolithophores from central California, PhD, 1960.
- U-85. Notlond, Monley L.

 Pleistocene and Pliocene stratigraphy of southern California. PhD, 1952.
- U-86. Newsom, John F. Stonford The thickness of the Carboniferous sediments in North America. MA, 1892.
- U-87. Nomlond, Jorgen O.

 The Etchegoin Pliocene of middle California. PhD, 1916 (paleo.).
- U-88. Oberling, John J.
 Shell structure of western America Pelecypoda. PhD, 1955 (paleo.).
- U-89. Pockord, Forl L.

 Faunal studies in the Cretaceous of the Santa Ana Mountains of southern California. PhD, 1915 (paleo.).
- U-90. Porker, Pierre E. Fossil and Recent pelecypods of the genus Chione on the west coast of North America. MA, 1941 (paleo.).
- U-91. Peobody, Fronk E. Trackways of Pliocene and Recent salamandroids of the Pacific Coast of North America. MA, 1940 (paleo.).
- U-92. Pickup, Cloyton E.

 Is Ralph Arnold's Pliocene at Deadman Island W. Kew's Saugus? BS, 1927 (petroleum engineering).
- U-93. Putlitz, Fritz H. Stonford Significant Eocene sections of California. AM, 1939.
- U-94. Reinhort, Philip W.

 Tertiary Arcidae of the Pacific slope of North America. PhD, 1933.
- U-95. Resig, Johonno M. USC Ecology of Foraminifera of Santa Cruz Basin, California. MS, 1956.
- U-96. Richords, Esther E.
 Fossill and Recent Turritellidae of the Pacific Coast of North America. MA, 1920 (paleo.).
- U-97. Roehl, Perry O. Wisconsin The Paleozoic geosyncline of the Klamath Mountains, California. PhD, 1955.
- U-98. Russell, Richord D. UC The Tehama Formation of Northern California. PhD, 1932.
- U-99. Ruth, John W.

 The genus Siphonalia of the Pacific Coast Tertiary. MA, 1938 (paleo.).
- U-100. Sovoge, Donold E. Pleistocene vertebrates of the San Francisco Bay region. PhD, 1949 (paleo.)
- U-101. Smith, Clay T.

 The biostratigraphy of Glycymeris veatchii in California.
 PhD minor, 1943.
- U-102. Smith, Hompton
 The stratigraphic position of some of the diatomite horizons in the Los Angeles basin. PhD minor, 1934.
- U-103. Smith, Hugh P.

 Foraminifera of the Wagonwheel Formation. MA, 1950 (paleo.).
- U-104. Sporks, Dole D.
 Orbitoid Foraminifera of the California Eocene. AM, 1924

- U-105. Stirton, Ruben A. A phylogeny of North American Equidae with observations on the development of teeth. PhD, 1940.
- U-106. Stokesbory, Wolter A. Oregon Stote A faunal study of the Dallas Area (Oregon) in an attempt to determine the faunal horizon or horizons present and to correlate with other (early Tertiary) Oregon and California horizons. MS, 1934.
- U-107. Trosk, Porker D.

 A study of the fauna and stratigraphy of the Briones Formation of middle California. MA, 1920 (paleo.).

II. REGIONAL STUDIES U-33 to U-123

- U-108. Volentine, Jomes W.
 Paleoecologic molluscan geography of the Californian Pleistocene. PhD, 1958.
- **U-109. Verostegui-Mockee, Pedro**The pelecypod genus *Venericardia* in the Paleocene and Eocene of western North America. MS, 1949.
- U-110. Vokes, Horold E. Middle Eocene molluscan faunas of the Vallecitos and Coalinga areas. PhD, 1935.
- U-111. Woring, Clorence A. Stonford
 Stratigraphic and faunal relations of the Martinez to the
 Chico and Tejon of southern California. MS, 1914.
- U-112. Wotkins, Jomes G. Foraminiferal ecology around the Orange County, California, ocean outfall. MS, 1959.
- U-113. Wotson, Elizobeth A. Stonford Stratigraphic occurrences of Discocyclina in the Eocene of California. AM, 1941.
- U-114. Webber, Irmo E. S.
 Pleistocene woods from the coast of California. PhD, 1929.
- U-11s. Wemple, Edno M.

 New cestraciont teeth from the west-American Triassic.

 MS, 1906 (paleo.).
- U-116. Wiedey, Lionel W. Stonford Notes on the Vaqueros and Temblor Formations of the California Miocene with descriptions of new species. AM, 1928.
- U-117. Wiedey, Lionel W. Stonford
 The Oligocene and Miocene marine molluscan faunas of the Pacific coast and their correlations. PhD, 1929.
- U-118. Wilcox, Morion
 The Tertiary Cancellaridae of western North America.
 MA, 1926 (paleo.).
- U-119. Wilson, Robert W. Pliocene rodents of western North America. PhD, 1936.
- U-120. Wolfe, Jock A. Tertiary Juglandaceae of western North America. MA, 1959 (paleo.).
- U-121. Zingulo, Richord P.

 Cretaceous Foraminifera from the Sacramento Valley,
 California. PhD, 1957.
- U-122. Zullo, Victor A.

 Cenozoic Balanomorphia of the Pacific Coast of North America. MA, 1960 (paleo.).

PETROLEUM

U-123. Anderson, Arthur T. Stunford Development of petroleum reservoirs in fractured rocks of the Monterey Formation, California. PhD, 1954.

SEDIMENTATION

- USC U-124. Baldwin, E. Joan Pliocene turbidity current deposits in Ventura basin, California. AM, 1959.
- U-125. Canrey, Bert L. Sedimentary history of the early Pliocene in the Los Angeles Basin, California. PhD, 1959.
- U-126. Demirmen, Ferruh Sedimentation and diagenesis in the Permian McCloud Limestone, Shasta County, California. MS, 1960.
- U-127. Eymann, James L. USC A study of sand dunes in the Colorado and Mojave deserts. MS, 1953.
- U-128. Findlay, Willard A. Sources of Miocene sediments in southeastern San Joaquin Valley. PhD, 1940.
- U-129. Handin, John W. The source, transportation, and deposition of beach sediment in southern California. PhD, 1949.
- U-130. Lerbekmo, John F. The character and origin of late Tertiary blue sandstones in central California. PhD, 1956.
- U-131. Slasson, James E. Lithofacies and sedimentary-paleographic analysis of the Los Angeles Repetto basin. PhD, 1958.
- U-132. Stone, Richard O. A sedimentary study and classification of playa lakes. MS,
- U-133. Todd, Wallace Stanford Typical lake deposits of the Great Basin. AM, 1928.

OCEANOGRAPHY

- U-134. Dana, Stephen W. A sedimentary study of bottom mud samples dredged by the Velero III. MS, 1942.
- U-134a. Holway, Rulift S. The cold water belt along the west coast of the United States. MS, 1904.
- U-135. Terry, Richard D. Bibliography of marine geology and oceanography, California coast. MS, 1956.
- U-136. Emery, Kenneth O. Illinois Lithology of the sea-floor off southern California. PhD, 1941.
- U-137. Revelle, Roger **UCLA-Scripps** Marine bottom samples collected in the Pacific Ocean by the Carnegie on it's seventh cruise. PhD, 1936.
- U-138. Tibby, Richard B. **UCLA-Scripps** Results of oceanographic investigations off the California coast, 1939-1940. PhD, 1944.

GEOMORPHOLOGY, PHYSIOGRAPHY

- U-139. Drake, Noah F. Stanford Relief map of California. AM, 1894.
- U-140. Durst, Fred M. The identification and correlation of the marine terrace of the California coast between Santa Cruz and Bolinas. MA, 1915 (geography).
- U-141. Coldberg, James Geological significance of the coastal terraces of the Santa Monica Mountains. MA, 1940.
- U-142. Willis, Robin The physiography of the San Andreas fault between the Pajaro Gap and the Cholame Plains, California. PhD, 1924.
- U-143, Willis, Robin The physiography of the southern Santa Cruz Mountains. AM, 1922.
- U-144. White, Ella Marie Features of physical geography in southern California. MA, 1937.

MISCELLANEOUS

U-145. Babcock, Burt A. Ground water occurrence and quality, San Diego County. MS, 1958.

- U-146. Bonillas, Ygnacio, III A study of Miocene vulcanism in southern California. MS,
- U-147. Bradley, Walter W. UC Quicksilver resources of California, with a section on metallurgy and ore dressing. ME, 1918 (mining).
- The relation between the faults and igneous flows of the Sierra Nevada mountains. AM, 1920.
- Arizona Stratigraphy, structure and composition of Portland cement materials in north-central California. PhD, 1958.
- U-150. Fairbanks, Harold W. PhD, 1896 uc
 - Auriferous conglomerate in California.
 Geology and mineralogy of Shasta County.

 - Geology of eastern California.
 Geology of northern Ventura, Santa Barbara, San Benito, San Luis Obispo and Monterey Counties.
 - 5. Geology of Point Sal.
 - 6. Geology of Tehama, Colusa, Lake and Napa Counties.
 - Geology of the Mother Lode gold belt.
 Geology of the Mother Lode region.
 - 9. Mineral deposits of eastern California. 10. Notes on a further study of the pre-Cretaceous rocks
 - of the California Coast Ranges. 11. Notes on some localities of Mesozoic and Paleozoic rocks in Shasta County, California.
 - 12. Notes on the characters of the eruptive rocks of the Lake Huron region.
 - 13. Notes on the occurrence of rubellite and lepiodolite in southern California.
 - 14. On analcite diabase from San Luis Obispo County, California.
 - 15. Relation between ore deposits and their inclosing walls.
 - 16. Review of our knowledge of the geology of the California Coast Range.
 - 17. Some remarkable hot springs and associated mineral deposits in Colusa County, California.
 - 18. Stratigraphy of the California Coast Ranges.
 - 19. The pre-Cretaceous age of the metamorphic rocks of the California Coast Ranges.20. Validity of the so-called Wallala beds as a division of
 - the California Cretaceous.
- U-152. Hake, Benjamin F. Stanford A study of faulting in the Coast Ranges, California. AM, 1930.
- U-153. Merenbach, Simon E. Some leading structural features of eastern Santa Monica Mountains, Los Angeles, California. MS, 1931.
- U-154. Norris, Mary L. **George Washington** The geology of southern California. MA, 1939.
- Profile studies of the more extensive primary soils derived from granitic rocks in California. PhD, 1939 (soils science).
- U-156. Ransome, Frederick L. PhD, 1896
 1. Great Valley of California. A criticism of the theory of isostasy.
 - 2. On lawsonite, a new rock forming mineral from the Tiburon Peninsula, Marin County, California.
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- U-163. Cleveland, Gearge B.

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- U-164. Callins, Isabelle D.

 A micro-method for the determination of silica. MS, 1927 (oceanography).
- U-165. Czamanske, Gerald K. Stanfard A study of the solubilities of iron, lead, and manganese sulfides at elevated temperatures under conditions of geologic interest. PhD, 1961.
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- U-167. Dauglass, Rabert M.
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- U-168. Dreyer, Robert M.

 The geochemistry of quicksilver mineralization. PhD major, 1939.
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 Geochemistry of germanium. PhD, 1956.
- U-170. Engel, Celeste G.
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 Phase relations and stabilities of the alkali amphiboles.
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- U-172. Fultan, Robert B., III Prospecting for zinc, using semi quantitative chemical analysis of soils. PhD, 1949.
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 The quantity and significance of boron in sea water. MS, 1932 (oceanography).
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 Geochemical and geobotanical prospecting for barium and copper. PhD, 1949.
- U-182. Rabson, Hamer L. UC The system $MgSO_4$ — H_2O from 68° to 240° . PhD, 1927.
- U-183. Shaw, Charles McE.

 An investigation of some chemical reactions involved in the genesis of metamorphic rocks, PhD, 1955.
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 Mineral determination by microchemical methods. PhD, 1935.

- U-185. Taylar, Hugh P., Jr.

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- U-190. Benioff, V. Huga

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- U-191. Ben-Menchem, Ari
 Radiation of seismic surface-waves from finite moving sources. PhD, 1961.
- U-192. Bhattacharya, Prabhat K.

 An investigation of changes in the magnetic field. PhD, 1950.
- U-193. Byerly, Perry E. Dispersion of energy without dispersion of frequency in transverse elastic waves in earthquakes. PhD, 1924.
- U-194. Cax, Allan V.

 The remanent magnetism of some Cenozoic volcanic rocks. PhD, 1959 (geophysics).
- U-195. Dana, Stephen W.

 Amplitudes of seismic waves reflected and refracted at the earth's core. PhD, 1944.
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 Amplitude of Pn from 3 degrees to 23 degrees. PhD, 1952.
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- U-198. Densan, M. Elner, Jr. Longitudinal waves through the earth's crust. PhD major, 1950.
- U-199. DeWitte, Leendert

 Experimental studies on the characteristics of the electrochemical potentials encountered in drill holes. PhD major, pt. 2, 1950.
- U-200. Daell, Richard R.

 Remanent magnetism in sediments. PhD, 1955 (geophysics).
- U-201. Daalittle, Russell C.

 The theory, construction and field use of a direct current potentiometer for measuring earth resistivity. MS, 1940.
- U-202. Dauze, Eduard J.

 Reflections and refractions of elastic waves from a transition layer. PhD, 1960 (geophysics).
- U-203. Dyk, Karl

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- U-204. Eatan, Jerry P.

 Theory of the electromagnetic seismograph. PhD, 1953.
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 Energy ratio of the seismic waves reflected and refracted at a rock water boundary. PhD, 1950.
- U-207. Evernden, Jack F.
 Direction of approach of Rayleigh waves and related phenomena. PhD, 1951.
- **U-208.** Farr, John B.
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- U-209. Flinn, Edward A.
 Exact transient solution of some problems of elastic wave propagation. PhD, 1960.
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 Modeling of the electromagnetic response of mineral bodies, as a function of conductivity. PhD, 1957.
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 Periodic variations of the gravitational force. GE, 1949.
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 The ground roll phenomenon of applied seismology. PhD, 1941.
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 The effects of stress on the remanent magnetism of rocks. PhD, 1960 (geophysics).
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 Theoretical and experimental study of seismic surface waves. PhD, 1958.
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 Temperature perturbations and their effect on the temperature maxima and minima in the interior of the earth.
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 Relaxation phenomena and the origin of earthquakes. PhD, 1951.
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 Potassium-argon dating of sediments. PhD, 1956, (Physics).
- U-227. Lombardi, Leonard V. Stanford An analysis of the apparent absence of seismic reflectors in sedimentary geologic sections. PhD, 1952.
- U-228. Lomnitz, Cinna
 Creep measurements in igneous rocks with some applications to aftershock theory. PhD, 1955.
- U-229. Martner, Samuel T.

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 A study of the energy contained in the seismic waves P and P. PhD, 1950.
- U-231. Munk, Walter H.

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- U-232. Nelson, Robert L.
 A study of the seismic waves SKS and SKKS. PhD major, 1952.
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 Propagation of leaking modes in a plane seismic waveguide. PhD, 1961.
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 A comparison of records from the linear strain and pendulum seismographs. MS, 1937.
- U-236. Rose, R. Burton
 An inductive study of mineral conductivity as a function of frequency. MA, 1939.
- U-237. Savage, James C.

 Wave propagation in a continuously stratified fluid. PhD, 1957.
- U-238. Schafer, Sidney
 Experiments testing the use of the magnetometer in determining geologic structure. MS, 1936.
- U-239. Silgado, Enrique F.

 The partition of amplitudes for an SV-wave by Zoeppritz's method. MS, 1944.
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 The plane of polarization of S waves as related to the mechanism at the focus of an earthquake. PhD, 1959 (geophysics).

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 Motion in the S phase of earthquakes. PhD, 1955.
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 Some uses of the spontaneous polarization method. GE, 1945.

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- U-250. Biren, Helen A. Columbia
 An electron microscope and a differential thermal analysis study of the serpentine minerals. PhD, 1957.
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 Structural and compositional studies on selected phases of iron and stony-iron meteorites. PhD, 1956.
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 The examination of ferromagnetic minerals in polished section. PhD, 1952.
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 An x-ray study of some mineral sulfo salts. MS, 1953.
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- U-262. Roy, Wolter B.
 Crystal structure of zunyite. PhD, 1956.
- U-263. Rigsby, George P.
 Studies of crystal fabrics and structures in glaciers. PhD, 1953.
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 Head and neck musculature of phytosaurs. MA, 1935 (paleo.).
- U-267. Bentson, Herdis
 A monographic study of the fossil gastropod Exilia. MA, 1938 (paleo.).
- U-268. Bode, Froncis D. Claracters useful in determining the position of individual teeth in the permanent cheek-tooth series of merychippine horses. MS, 1931.
- **U-269. Findloy, Willord A. with Popenoe, Willis P.**Transposed hinge structures in lamellibranchs. PhD minor, 1940.
- **U-270.** Frizzel, Donold L. Stonford Studies in the molluscan superfamily Veneracea. PhD, 1935.
- U-272. Jones, Dovid L. Stonford A taxonomic review of the Cretaceous pelecypod subfamily Inoceraminae. PhD, 1956.
- U-274. La Motte, Robert 5. Studies in Tertiary paleobotany. PhD, 1935.
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 Laboratory techniques and statistical methods in pollen analysis. MS, 1949.
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- U-281. Reinhort, Roy H.

 A review of the Sirenia and the Desmostylia. PhD, 1952 (paleo.).
- U-282. Rensberger, John M.

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 Development of Scaphites. AM, 1904.
- U-286. Toylor, Dovid N.
 Bone histology of fossil reptiles. MA, 1941 (paleo.).
- U-287. Toylor, Williom H.

 Studies on Recent ostracodes in relation to the taxonomy of fossil ostracodes. AM, 1931.
- U-288. VonderHoof, Vertress L.
 A study of the Miocene sirenian Desmostylus. PhD, 1936.
- U-289. Welles, Somuel P.
 Revision of clasmosaurid plesiosaurs. PhD, 1940.
- U-290. Volov, Igor

 The development of bone in the skull of the rat embryo, with emphasis on the ear. MA, 1947 (paleo.).
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 The osteology of Camelops. MA, 1961 (paleo.).

PETROLEUM

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- **U-292. DeWitte, Leendert**Factors governing accumulation of oil and gas in stratigraphic traps. PhD minor, 1950.
- U-293. DeWitte, Leendert

 Infiltration of porous formations by drilling fluids in relation to the quantitative analysis of electrologs. PhD major, Pt. 1, 1950.
- **U-294. Elbishlowi, Mohamed H. M.**Effect of free gas saturation on oil recovery by water flooding. PhD, 1952.
- U-295. Evons, Barry L.

 Compressibility of natural gas. MS, 1952 (petroleum engineering).
- U-296. Gardescu, Ionel I.

 The occurrence and behavior of natural gas in an oil reservoir. PhD, 1931.
- U-297. Gosline, Jomes E. The gas lift. PhD, 1934.
- U-298. Hash, Bender Stonford A stratigraphic correlation of oil well sludge samples by spectrographic analysis. PhD, 1952.

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 The analytical effects of capillarity on the production of oil, gas, and water from wells. PhD, 1926.
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- U-302. Ruhlman, Fred L.

 A study of certain factors influencing the flow of hydrocarbons through reservoir sands. MS, 1941 (petroleum engineering).

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- **U-304. Meode, Robert H., Jr.**Compaction and development of preferred orientation in clayey sediments. PhD, 1961.
- U-305. Scatt, Theodare
 Sand movement by waves. MA, 1954.
- U-306. Thompson, Worren O.
 Original structure of beaches. PhD, 1934.

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- U-307. Corcoran, Eugene F. Quantitative studies of organic matter and associated biochromes in marine sediments. PhD, 1957.
- U-308. Mero, Juhn L.

 An economic analysis of mining deep-sea phosphorite. PhD, 1959 (mining).

- U-309. Ogilvie, Thomas F.

 Propagation of waves over an obstacle in water of finite depth. PhD, 1959 (oceanography).
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 Mechanics of landslides. PhD, 1937.
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 An experimental inquiry into the nature of endemism on serpentine soils. PhD, 1950 (botany).
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 A statistical-petrographic test of the aggregate-alkali reactivity of concrete aggregate. PhD, 1951.
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